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PATENT  
0501-1159

**IN THE U.S. PATENT AND TRADEMARK OFFICE**

Applicants: Cecile JOUBERT et al. Confirmation: 5678  
Serial No.: 10/580,319 Art Unit: Not assigned  
Filed: May 25, 2006 Examiner: Not assigned  
For: DISPLAY DEVICE WITH A BLACK-OPTIMIZING BISTABLE  
NEMATIC SCREEN AND METHOD FOR THE DEFINITION OF  
SAID DEVICE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**August 30, 2006**

Sir:

In compliance with Rules 1.97 and 1.98 and in fulfillment of the duty of disclosure under Rule 1.56, included with the attached Form PTO-449 is a copy of the search report from the corresponding international application. Since the European Patent Office is the international searching authority, copies of the cited references should have been or will be forwarded to the U.S. Patent and Trademark Office (USPTO) pursuant to the trilateral agreement among the USPTO, European Patent Office, and Japanese Intellectual Property Office.

Also included is a copy of a search report from the corresponding French application. The references cited in the French search report are also cited in the International Search Report and, as indicated above, listed on the accompanying Form PTO-1449.

Other references of interest are also set forth on the Form PTO-1449. Copies of cited U.S. patents and patent publications are not provided in view of the USPTO waiver of the requirement to do so under 37 C.F.R. §1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of the other types of references are enclosed, with the exception of the Yeh, Poincare, and Schurcliff documents, hefty volumes not easily reproduced which

are cited as background and which should be available to the Examiner through the USPTO Scientific Library.

U.S. 6,327,017 corresponds to FR 2,740,894, for which an English language abstract is also provided. In view of the provision of the corresponding U.S. patent and an English language abstract, it is respectfully submitted that the requirement for a concise explanation of the relevance of FR '894 is satisfied.

This Information Disclosure Statement is being filed prior to issuance of an action on the merits; therefore, no fee is required.

The Examiner is courteously requested to initial and return a copy of the accompanying Form PTO-1449 to confirm consideration of the references and their entry into the record.

Respectfully submitted,

YOUNG & THOMPSON



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RJP:rk

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Attorney Docket No.:  
**0501-1159**

Application No.:  
**10/580,319**

Applicant:  
**Cecile JOUBERT et al.**

Filing Date:  
**May 25, 2006**

Group Art Unit:  
**Not assigned 2874**

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)
	6,327,017	12/04/2001	BARBERI et al.			
	2003-0076455	04/24/2003	KWOK et al.			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	2,740,894	01/23/1998	FRANCE			*	
	1 026 542	08/09/2000	EUROPE				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	MARTINOT-LAGARDE et al., "5.4: Fast Bistable Nematic Display Using Monostable Surface Anchoring Switching," <i>SID 97 Digest</i> , pp. 41-44.
	MARTINOT-LAGARDE et al., "The Binem® display: A nematic bistable device switched by surface anchoring breaking," <i>Proceedings of the SPIE</i> , Vol. 5003, January 21, 2003, pp. 25-34.
	DOZOV et al., "Fast bistable nematic display from coupled surface anchoring breaking," <i>SPIE</i> , Vol. 3015, pp. 61-69.
	QIAN et al., "Dynamic flow, broken surface anchoring, and switching bistability in three-terminal twisted nematic liquid crystal displays," <i>Journal of Applied Physics</i> , Vol. 90, No. 6, September 15, 2001, pp. 3121-3123.
	ONG, "Origin and characteristics of the optical properties of general twisted nematic liquid-crystal displays," <i>Journal of Applied Physics</i> , Vol. 64, No. 2, July 15, 1988, pp. 614-628.
	DOZOV et al., "16.1: Recent Improvements of Bistable Nematic Displays Switched By Anchoring Breaking (BiNem®)," <i>SID 01 Digest</i> , pp. 224-227.
	ZHUANG et al., "Bistable twisted nematic liquid-crystal optical switch," <i>Applied Physics Letters</i> , Vol. 75, No. 19, November 8, 1999, pp. 3008-3010.
	YEH et al., <i>Optics of liquid crystal displays</i> , 1999, Wiley, New York.
	POINCARÉ, <i>Théorie mathématique de la lumière</i> , 1989, Gauthiers Villars.
	SCHURCLIFF, <i>Polarized light, production and use</i> , 1966, Harvard University Press.
	GUO et al., "Three-terminal bistable twisted nematic liquid crystal displays," <i>Applied Physics Letters</i> , Vol. 77, No. 23, December 4, 2000, pp. 3716-3718.

EXAMINER:

/Rhonda Peace/

DATE CONSIDERED

11/12/2008

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* English language abstract provided for the Examiner's convenience

RJP:rk

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.P./